

Contents of *Aquatic Botany*, Volume 58

VOL. 58 NO. 1

JULY 1997

Effects of irradiance on growth and winter bud production by <i>Vallisneria americana</i> and consequences to its abundance and distribution C.E. Korschgen, W.L. Green and K.P. Kenow (La Crosse, WI, USA)	1
Estimating leaf area index of mangroves from satellite data E.P. Green (Newcastle upon Tyne, UK), P.J. Mumby (Sheffield, UK), A.J. Edwards (Newcastle upon Tyne, UK), C.D. Clark (Sheffield, UK) and A.C. Ellis (Bloomington, IN, USA)	11
The photosynthetic responses to irradiance and temperature of four meadow-forming seagrasses R.J. Masini (Perth, W.A., Australia) and C.R. Manning (North Beach, W.A., Australia)	21
Is <i>Sargassum muticum</i> a threat to eelgrass beds? C. Den Hartog (Nijmegen, The Netherlands)	37
Allozyme variation and the taxonomy of <i>Wolffia</i> D.J. Crawford (Columbus, OH, USA), E. Landolt (Zürich, Switzerland), D.H. Les (Storrs, CT, USA) and E. Tepe (Columbus, OH, USA)	43
Seasonal pattern of <i>Cymodocea nodosa</i> biomass and production in the lagoon of Venice A. Rismondo, D. Curiel, M. Marzocchi (Padova, Italy) and M. Scattolin (Venezia, Italy)	55
Phenolic acids in healthy and infected leaves of <i>Zostera marina</i> and their growth-limiting properties towards <i>Labyrinthula zosterae</i> L.H.T. Vergeer and A. Devell (Nijmegen, Netherlands)	65
The effect of increasing salinity on the growth and ion content of three non-halophytic wetland macrophytes N.W.M. Warwick and P.C.E. Balley (Clayton, Vic., Australia)	73

VOL. 58 NO. 2

SEPTEMBER 1997

Pollination of <i>Echinodorus grandiflorus</i> (Alismataceae) M.F. Vieira and N.A. De Souza Lima (Viçosa, Brasil)	89
Leaf dynamics and production of a <i>Zostera marina</i> bed near its southern distributional limit S.E. Ibarra-Obando (Ensenada, Mexico), C.-F. Boudouresque and M. Roux (Marseille, France)	99
Effects of drought and flooding on the reproduction of an amphibious plant, <i>Ranunculus peltatus</i> A. Volder (Utrecht, Netherlands), A. Bonis (Montpellier, France) and P. Grillas (Arles, France)	113
Decomposition of emergent macrophyte roots and rhizomes in a northern prairie marsh D.A. Wrubleski, H.R. Murkin (Manitoba, Canada), A.G. van der Valk (Ames, IA, USA) and J.W. Nelson (Memphis, TN, USA)	121
Photosynthetic temperature responses of fresh- and brackish-water macrophytes: a review L. Santamaría (Delft, Netherlands) and W. van Vierssen (Nieuwersluis, Netherlands)	135
Invertebrate borers in <i>Posidonia oceanica</i> scales: relationship between their distribution and lepidochronological parameters P. Guidetti, S. Bussotti (Genova, Italy), M.C. Gambi and M. Lorenti (Ischia Porto Napoli, Italy)	151
Molecular Phylogeny of mangroves III Parentage analysis of a <i>Rhizophora</i> hybrid using random amplified polymorphic DNA and restriction fragment length polymorphism markers M. Parani, C. Srinivasa Rao, N. Mathan, C.S. Anuratha, K.K. Narayanan and A. Parida (Madras, India)	165

Quantification of epiphyte removal efficiency from submersed aquatic plants P.V. Zimba (New Orleans, LA, USA) and M.S. Hopson (Brasilia, Brazil)	173
Temporal patterns of rainforest stream epilithic algae in relation to flow-related disturbance T.D. Mosisch and S.E. Bunn (Nathan, Qld., Australia)	181

VOL. 58 NOS. 3–4**OCTOBER 1997**

Introduction	195
Geographic information systems (GIS) and remote sensing in aquatic botany: methodological aspects R. Caloz, C. Collet (Switzerland)	209
Distribution and stability of eelgrass beds at Izembek Lagoon, Alaska D.H. Ward, C.J. Markon, D.C. Douglas (USA)	229
Remote sensing and GIS analysis of seagrass meadows in North Carolina, USA R.L. Ferguson, K. Korfmacher (USA)	241
Quantifying temporal change in seagrass areal coverage: the use of GIS and low resolution aerial photography B.D. Robbins (USA)	259
Estimating basal area coverage of subtidal seagrass beds using underwater videography J.G. Norris, S. Wyllie-Echeverria, T. Mumford, A. Bailey, T. Turner (USA)	269
Assessing the impacts of anthropogenic and physiographic influences on grass shrimp in localized salt-marsh estuaries D.E. Porter, D. Edwards, G. Scoff, B. Jones, W.S. Street (USA)	289
Assessing photosynthetic radiation-use efficiency of emergent aquatic vegetation from spectral reflectance J. Peñuelas, I. Filella, J.A. Gamon, C. Field (Spain, USA)	307
Airborne remote sensing of macrophytes in Cefni Reservoir, Anglesey, UK T.J. Malthus, D.G. George (UK)	317
Littoral zone—GIS of Lake Constance: a useful tool in lake monitoring and autecological studies with submersed macrophytes K. Schmieder (Germany)	333
A GIS approach of aquatic plant spatial heterogeneity in relation to sediment and depth gradients, Lake Geneva, Switzerland A. Lehmann, J.-M. Jaquet, J.-B. Lachavanne (Switzerland)	347
Historical aerial photographs and a geographic information system (GIS) to determine effects of long-term water level fluctuations on wetlands along the St. Marys River, Michigan, USA D.C. Williams, J.G. Lyon (USA)	363
Macrophytes, hydrology, and aquatic ecotones: a GIS-supported ecological survey G.A. Janauer (Austria)	379
Application of remote sensing and geographic information systems to the delineation and analysis of riparian buffer zones S. Narumalani, Y. Zhou, J.R. Jensen (USA)	393
Mapping riparian vegetation along rivers: old concepts and new methods E. Muller (France)	411
Contents of <i>Aquatic Botany</i> , Volume 58	439

